

Title (en)
VEHICLE WINCH

Publication
EP 0271206 A3 19900613 (EN)

Application
EP 87309802 A 19871105

Priority
GB 8627684 A 19861119

Abstract (en)
[origin: EP0271206A2] The invention relates to a winch for a vehicle which is compact enough to be located at the rear of the vehicle without causing due limitation to the cross country ability of the vehicle and yet at the same time, provides a reliable winch for drawing a vehicle to be towed to it and enabling the coupling member to be physically secured to the vehicle when the cable is in the fully wound position. The winch comprises a housing (10), a drum (31) rotatable about its axis within the housing (10), a cable having a coupling member (24) at a bitter end thereof, said cable being adapted to wound upon said drum (31), characterised by the motor means being disposed within the drum itself, a guide member being provided for movement relative to the winding surface of the drum for guiding the cable opening in the housing (10) to a winding surface of the drum for lowering the cable thereon during winding without significant bunching of the cable and in that coupling means includes a nesting portion which locates a nest in a corresponding cooperating portion carried by or within the housing when the cable is in the fully wound position.

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Citation (search report)

- [Y] EP 0136017 A2 19850403 - STEEL JAMES
- [Y] GB 2048201 A 19801210 - CARRUTHERS & CO J H
- [A] DE 3442138 A1 19860522 - RHEIN GETRIEBE GMBH [DE]
- [A] DE 438528 C 19261218 - HOFFMANN ALEXANDER

Cited by
CN103803436A; WO2009148414A1

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EP 0271206 A2 19880615; **EP 0271206 A3 19900613**; AU 590460 B2 19891102; AU 8117787 A 19880526; CA 1283095 C 19910416; DK 608487 A 19880520; DK 608487 D0 19871119; GB 8627684 D0 19861217; IL 84448 A0 19880429; IN 170395 B 19920321; JP S6487496 A 19890331; KR 880006113 A 19880720; US 4909482 A 19900320; ZA 878390 B 19880504

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